

RECORD CARD

The Record Keeper uses this card to record each voting issue, the reasons for and against the plan, and the number of votes for and against.

Date: _____ Team: _____

1. Issue: _____

Reasons For: _____

Reasons Against: _____

Vote Results: # Yes: _____ # No: _____

2. Issue: _____

Reasons For: _____

Reasons Against: _____

Vote Results: # Yes: _____ # No: _____

3. Issue: _____

Reasons For: _____

Reasons Against: _____

Vote Results: # Yes: _____ # No: _____

4. Issue: _____

Reasons For: _____

Reasons Against: _____

Vote Results: # Yes: _____ # No: _____

RULE CARD

Welcome to the country of Argyle! Argyle is a beautiful island, about the size of Maine, with many natural features. Argyle has a population of one million residents and is growing fast. The country relies on fossil fuels for its transportation and energy needs, causing ozone and other air quality problems and contributing to global climate change.

Argyle depends on coal as its major fuel source. The island has many coal deposits, so it is an accessible and inexpensive fuel. Residents pay only 5¢ per kilowatt hour (kWh) for their electricity. The average citizen uses 6,000 kWh/year and demand is steadily increasing.

But coal causes many problems, too. Coal is a non-renewable resource that emits several pollutants. For example, coal-fired power plants emit two-thirds of the country's sulfur dioxide (SO₂) pollution. SO₂ is a major cause of acid rain and a contributor to several respiratory diseases. Coal is also the highest producer of carbon dioxide (CO₂) of all of the fossil fuels, emitting 56 pounds (lbs) of CO₂ for every 1 million BTU (British Thermal Unit, a measure of energy) produced. Carbon dioxide is an important greenhouse gas and a major contributor to global warming.

Ten years ago, the island supported 25,000 gasoline fueled cars. Today there are 80,000 and more roads are being built. Gasoline fueled cars emit several pollutants, including carbon monoxide (CO), sulfur dioxide (SO₂), nitrogen oxides (NO_x), particulate matter, and volatile organic compounds. Gasoline emits 42.8 lbs CO₂ per million BTUs.

Argyle's government has decided to reduce the health and environmental risks of its current energy practices by investing in other sources of energy. At the same time, it needs to provide adequate energy and transportation for its one million inhabitants.

You have been elected to lead Argyle's government, your mission is to:

- **meet the energy needs of the country;**
- **improve air quality and manage other environmental risk;**
- **maintain a strong economy and keep taxes (or per capita costs) low.**

You must accomplish these goals through your voting decisions and personal life-style choices. Remember, you are a team and must cooperate to meet your goals; feel free to disagree with each other, but always respect each others' opinions and feelings. Good Luck!

SET UP

- Read the roles from the ROLE card. Decide who will take on each role.
- Place your game tokens in any square on the wheel.
- Place one token in the zero square on each of the scales (energy, environment, economy). This is the baseline. Any movement up the scale (to the right) is an improvement; any movement to the left is a decline.
- Shuffle the VOTE cards. Place them VOTE side up, STATUS side down.
- Roll the die to see who goes first, roll to play and record your vote results.

RECORD CARD

5. Issue: _____

Reasons For:

Reasons Against:

Vote Results: # Yes: _____

No: _____

6. Issue: _____

Reasons For:

Reasons Against:

Vote Results: # Yes: _____

No: _____

7. Issue: _____

Reasons For:

Reasons Against:

Vote Results: # Yes: _____

No: _____

End of Game Status:

List your final energy mix:

Energy _____ points

Environment _____ points

Economy _____ points

Did you balance the 3 E's?